



1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/575,698
Filing Date	09/26/2006
First Named Inventor	Mathieu Boilard
Art Unit	1653
Examiner Name	To be assigned
Attorney Docket Number	701826-057830

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials'	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/S.M./	C9	ABE, H. et al., "Secretory Products of Bovine Oviductal Epithelial Cells Support the Viability and Motility of Bovine Spermatozoa in Culture In Vitro," <i>J. Experimental Zoology</i> 272:54-61, 1995.	
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	C11	BOILARD, M. et al., "Effect of Bovine Oviduct Epithelial Cell Apical Plasma Membranes on Sperm Function Assessed by a Novel Flow Cytometric Approach," <i>Biology of Reproduction</i> 67:1125-1132, 2002.	
	C12	CHAVARRIA, M. et al., "Secretions of Ovine Uterus and Oviduct Induce In Vitro Capacitation of Ram Spermatozoa," <i>Archives of Andrology</i> 36:17-23, 1996.	
	C13	CHIAN, R. et al., "Fertilizing Ability of Bovine Spermatozoa Cocultured with Oviduct Epithelial Cells," <i>Biology of Reproduction</i> 52:156-162, 1995.	
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	C16	EHRENWALD, E. et al., "Bovine Oviductal Fluid Components and Their Potential Role in Sperm Cholesterol Efflux," <i>Molecular Reproduction and Development</i> 25:195-204, 1990.	
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	C19	HUNTER, R. et al., "Sperm transport in the cow : peri-ovulatory redistribution of viable cells within the oviduct," <i>Reprod. Nutr. Develop.</i> 24(5A):597-608, 1984.	
↓	C20	KING, R. et al., "Effect of Bovine Oviductal Estrus-Associated Protein on the Ability of Sperm to Capacitate and Fertilize Oocytes," <i>J. Andrology</i> 15(5):468-478, 1994.	
/S.M./	C21	LAPOINTE, S. et al., "Binding of a Bovine Oviductal Fluid Catalase to Mammalian Spermatozoa," <i>Biology of Reproduction</i> 58:747-753, 1998.	

/S.M./	C22	LEFEBVRE, R. et al., "Bovine Sperm Binding to Oviductal Epithelium Involves Fucose Recognition," <i>Biology of Reproduction</i> 56:1198-1204, 1997.	
	C23	LEFEBVRE, R. et al., "Characterization of the Oviductal Sperm Reservoir in Cattle," <i>Biology of Reproduction</i> 53:1066-1074, 1995.	
	C24	LEFEBVRE, R. et al., "Effect of Capacitation on Bull Sperm Binding to Homologous Oviductal Epithelium," <i>Biology of Reproduction</i> 54:575-582, 1996.	
	C25	MALAYER, J. et al., "Secretion of Proteins by Cultured Bovine Oviducts Collected From Estrus Through Early Diestrus," <i>The Journal of Experimental Zoology</i> 248:345-353, 1988.	
	C26	MCNUTT, T. et al., "Influence of Bovine Follicular and Oviduct Fluids on Sperm Capacitation <i>In Vitro</i> ," <i>Journal of Andrology</i> 12(4):244-252, 1991.	
	C27	MEINHARDT, A. et al., "Expression of Mitochondrial Heat Shock Protein 60 in Distinct Cell Types and Defined Stages of Rat Seminiferous Epithelium," <i>Biology of Reproduction</i> 52:798-807, 1995.	
	C28	MURRAY, S. et al., "Sperm interaction with fallopian tube apical membrane enhances sperm motility and delays capacitation," <i>Fertility and Sterility</i> 68(2):351-357, 1997.	
	C29	PARRISH, J. J. et al., "Capacitation of Bovine Spermatozoa by Oviduct Fluid," <i>Biology of Reproduction</i> 40:1020-1025, 1989.	
	C30	POLLARD, J. et al., "Fertilizing Capacity of Bovine Sperm May Be Maintained by Binding to Oviductal Epithelial Cells," <i>Biology of Reproduction</i> 44:102-107, 1991.	
	C31	SARTO, C. et al., "Heat shock proteins in human cancer," <i>Electrophoresis</i> 21:1218-1226, 2000.	
	C32	SMITH, T. et al., "Role of Direct Contact between Spermatozoa and Oviductal Epithelial Cells in Maintaining Rabbit Sperm Viability," <i>Biology of Reproduction</i> 56:83-89, 1997.	
	C33	SUAREZ, S. et al., "Bull Sperm Binding to Oviductal Epithelium Is Mediated by a Ca^{2+} - Dependent Lectin on Sperm That Recognizes Lewis-a Trisaccharide," <i>Biology of Reproduction</i> 59:39-44, 1998.	
	C34	SUAREZ, S. et al., "Formation of a Reservoir of Sperm in the Oviduct," <i>Reprod Dom Anim</i> 37:140-143, 2002.	
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	C36	TRIANTAFILOU, M. et al., "Major Histocompatibility Class One Molecule Associates With Glucose Regulated Protein (GRP) 78 on the Cell Surface," <i>Human Immunology</i> 62:764-770, 2001.	
	C37	WERNER, A. et al., "Distribution of heat-shock protein 60 immunoreactivity in testes of infertile men," <i>Cell Tissue Res</i> 288:539-544, 1997.	
	C38	XIAO, G. et al., "Calreticulin Is Transported to the Surface of NG108-15 Cells Where It Forms Surface Patches and Is Partially Degraded in an Acidic Compartment," <i>J. Neuroscience Res</i> 58:652-662, 1999.	
/S.M./	C39	XIAO, G. et al., "KDEL proteins are found on the surface of NG108-15 cells," <i>Molecular Brain Research</i> 72:121-128, 1999.	

Examiner Signature	/Sheridan Macauley/	Date Considered	11/06/2007
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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	To be assigned 575698
Sheet 1 of 1				I.A. Filing Date	October 14, 2004
				First Named Inventor	Mathieu Boilard
				Art Unit	To be assigned
				Examiner Name	To be assigned
				Attorney Docket Number	701826-057830

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number - Kind Code ² (if known)			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code ³	Number ⁴ Kind Code ² (if known)		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
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/S.M./	C1	ASQUITH, Kelly L. et al.; J. of Cell Science 117; 3645-3657 (2004).			
	C2	ASQUITH, Kelly L. et al.; BOR Papers in Press [online] Accession No. DOI 10.1095/biolreprod.104.032270 (Sept. 29, 2004).			
	C3	ECROYD et al.; Bio. Of Reproduction 69: 1801-1807 [online] Accession No. DOI 10.1095/biolreprod.103.017350 (published online before print July 30, 2003).			
	C4	HUANG et al.; Theriogenology 53:1177-1184 (2000).			
	C5	HUANG et al.; Theriogenology 51:1007-1016 (1999).			
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	C7	IKAWA et al.; Nature 387:607-611 (June 1997).			
↓ /S.M./	C8	OKABE et al.; "The Male Gamete" in Basic Science to Clinical Applications pp. 47-54. Editor: Claude Gagnon. Publisher: Cache River Press, Vienna, Ill. (1999).			

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